

RECEPTION EDITION

TOIKE OIKE



TOIKE OIKE, TOIKE OIKE, OLLUM TE CHOLLUM TE CHAY,
SCHOOL OF SCIENCE, SCHOOL OF SCIENCE, HURRAY, HURRAY, HURRAY.

Vol. XXXIV

Friday, October 16, 1942

No. 2

"FOOD FOR THOUGHT"

This section of the Toike-Oike is addressed to male Schoolmen, large and small. Are YOU underfed at home? Does your groaning board no longer groan with the weight of large juicy roasts of beef? Have you rolled a sizzling morsel of steak on your tongue lately? NO? Well then, make a mark in your little green book opposite Nov. 19th, and tell all your girl friends you are going out that night. For that is the night all Schoolmen gather unhampered by their long (and/or short) haired friends and rally to the 54th consecutive School Dinner. Gents, just feature 54 consecutive stags in 54 years. Why it is practically a time honoured custom. For the information of the 602 frosh, School Dinner means food, amusing entertainment, a sparkling speaker, prize giving for the scholarship men and in all a large time.

The proposed speaker is being kept a secret—BUT—place and date, Hart House, Nov. 19th, are no secret. Arrangements have been made with Hart House to have a supply of steaks on hand, but if the food controller or the harvesters rob us of our supply, we are assured of mountains of turkey. Further information will be forthcoming, and if you see a line up in the Engineering Society Office, similar to the one in Hart House earlier this week, fall in for they will be selling Dinner tickets at the front end.

M. J. AYKROYD,
*1st Vice-President,
Engineering Society.*

The lady of the house was entertaining her bridge club when the pater of tiny feet was heard from the head of the stairs. She raised her hand for silence.

"Hush", she said softly. "The children are going to deliver their good night message. It always gives me such a feeling of reverence to hear them. Listen."

There was a moment of silence, then shyly:

"Mama, Willie found a bedbug!"

SKILL IN WARTIME

About one hundred and fifty years ago, there began a change in the character of industry that was so profound and fundamental that it is known as the "Industrial Revolution". One aspect of this change is indicated by the Law of Transfer of Skill, namely:—"The attention and skill required to use a tool or to operate a machine is inversely as the skill transferred to its mechanism." Before that time, the quality of the work produced depended almost entirely on manual skill which reached a high degree of excellence in the work of the mediaeval craftsmen, whose products are still greatly esteemed by those who value exquisite workmanship.

One result of the application of this law was that automatic and semi-automatic machinery were devised to produce large quantities of goods that had previously been made by hand in small numbers. This "mass production" is frequently criticised very severely on the ground that it tends to make machines out of men. The use of motion and time study to eliminate waste of time and labour in industrial operations was being condemned by a musician on account of its soul-deadening effect on the men. "Well", said an engineer, "not long ago, I watched for several hours, a group of a hundred men doing teamwork co-ordinated to a small fraction of a second—but they seemed to enjoy the job—it was the Philadelphia Symphony Orchestra, co-ordinated by Leopold Stokowski!"

The fact is, that the modern use of machinery has not reduced the need for skill but has increased it, by directing skill into other channels. The machines, jigs, tools, gauges and other manufacturing facilities themselves have to be designed and made on an ever-increasing scale, and with a degree of precision that would have astonished our forefathers. In wartime, however, many skilled men are removed from industry by the armed forces and an enormously greater quantity and variety of goods must be produced to keep those forces supplied with the munitions of war, without which they would be helpless.

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SPORTOIKE

Hello Again!

Three weeks have passed. Three weeks in which three astounding facts have come to light; first, a freshman class outstanding not only by reason of its size, but also by its meekness; secondly, our poor start in the Reed Trophy race; thirdly, the dismal outlook for our senior school rugby team unless the boys begin to bear down. Offsetting these, however, is the brighter side consisting of a junior school rugby team which looks like the team to beat, a track squad, which according to report, should be in there punching, and a senior lacrosse squad which should retain its championship.

It is with dismay, not to say disgust, that we write of an incident which occurred in front of Hart House not so long ago wherein about fifteen school frosh were severely handled by about twenty-five med frosh. Regrettable as the incident is, in view of our all-out war effort we can remember the time when that many schoolmen could vanquish with ease twice as many embryo knife-wielders.

Let us hope that our freshmen will realize that they are part of the proudest and strongest organization on the campus and that they will bring their many shoulders to bear on the wheel of honour which is rolled on by academic and athletic efforts. The Reed Trophy, emblematic of interfaculty athletic supremacy was wrested from our grasp last year by Trinity, as the culmination of their well-planned attack on us. This is the part all freshmen must play, to help their seniors restore this coveted trophy to its proper place, in the Halls of Science. This can only be done by a wholehearted athletic effort on the part of all.

It is too soon to make any real predictions yet, but it appears that School will be well represented on all athletic fronts.

Although the final outcome is not yet known it appears that we have been trounced in the golf and tennis fields. This is both unusual and unfortunate for

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THE TOIKE OIKE

Devoted to the interests of the Under-graduates of the Faculty of Applied Science.

*Published Every Now and Then by
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EDITORIAL

With the passing of the green ties we come to the close of the first chapter in the Book of School Events. Chapter 2—The Reception of Freshmen. In this chapter there are two items which we would like to bring to your attention, namely, Sports and Social Activities.

It is a well-known fact, that the Athletic Association of this University has spent many long hours in planning an extensive Athletic Schedule in which every Faculty may play a part. Schoolmen, in the past, have established a name for themselves on this campus, due to their whole hearted support of this scheme. School's own Athletic Association does all in its power to encourage you to get in these games. You yourself contribute two dollars to this Association in order that they may provide you with the proper equipment to make you proud of the fact that you are a member of one of School's teams.

Why is all this time and money spent? This University like every University, Army Camp or any other such organization, realize, it is an absolute fact, that a sound mind requires a sound body. We say to you, it is your duty to yourself as well as to your School to take an active part in this sports program. Every Schoolman should belong to at least ONE team and thus get into condition, now, for the struggles of life which he will meet on leaving this University.

The second item is that of Social Functions. Your Engineering Society and Year Executive have planned many social events for you in this coming year. A man who feels that he has not the time for these events is missing a part of the University life. Our Faculty always gives its whole hearted support to these events by being in attendance at them. Each year has its Year Card which entitles a man to attend several good parties at a price, which it is impossible for any other committee or organization to meet. By attending these parties, you meet your friends

away from work, so to speak, you meet your professors and you have a real party with a group of people your own age. We encourage each and every man to buy a Year Card and to get out and enjoy some real entertainment.

FRESHMAN RECEPTION

The procedure for the evening is as follows:

1. Assemble in the East Common Room from 7.30 to 8.00.
2. Pay your 30c at the entrance to the Great Hall and receive name card and green ribbon.
3. Programme starts at 8.00 p.m.

The Reception Committee was unable to procure metal buttons for you this year due to war shortages and so green ribbons have been substituted as a patriotic measure.

4T3

On my first appearance of this year in the Toike Oike, I wish to express my thanks to all the members of my year who were instrumental in placing me in the position I hold as your President.

Grim facts face us as we start down the last mile of our journey. We are gradually emerging from a cloud of enveloping safety which has surrounded us for three years, to step out into the glaring light of the outside world. But there is a place for each of us and a job to be done, so let us prepare ourselves as best we can in what time is left for the struggle in which we shall soon be engaged.

This year, our social activities will consist mainly of the "Grad Ball", and at least one year dance near Christmas. Besides these year activities you can look to your club functions and the Engineering Society dances.

Financially we stand on our own feet, and since this is our last year, all our funds go into the pot, so get into all activities and events and get the benefit of your four years' purchase of year cards.

In closing I wish to say, my executive and myself would appreciate any suggestions, ideas, comments or complaints coming from our year since these things are the signs which say what you people think of us as your leaders.

JIM DICKIE,
President.

"Melvin! MELVIN!"

"What, ma?"

"Are you spitting in the fish bowl?"

"No, ma, but I'm coming pretty close."

NOEL BARR FUND

EDITOR'S NOTE: The following is a copy of the letter sent to the Chairman of the Noel Barr Fund Committee. This collection was taken up at the close of the 1941-42 session.

To The Classes 4T3, 4T4, 4T5,
Faculty of Applied Science and
Engineering,

UNIVERSITY OF TORONTO.

Dear Fellows:—

When an occasion such as this arises one finds that one cannot find words to express adequately those deep feelings of appreciation and gratitude. I should like to be able to see you all, and thank you all personally for the financial aid you have given me. But, as that is impossible, I shall attempt to put my feeling on paper.

I feel that this gesture you have made is but a concrete expression of the strong tie which exists between men of School. It is an expression of your School Spirit. Any Schoolman would get the same support had he need of it.

I thank you all once again, and am looking forward to seeing as many of you as is possible this year.

Sincerely yours,
J. NOEL BARR.

4T5

The class of 4T5 has already started its activities for the year 1942-43. Due to adverse conditions, the usual shambles between Sophs and Frosh has been minimized a great deal but we got 'em once anyway. The initiation ceremonies are being handled by the clubs this year and most of them have ushered the Frosh into their fold by now.

Naturally of prime importance is the sale of year cards. The year cards have been on sale, officially since last Wednesday and they will continue on the block for a week from to-day. There is a man in your department selling them, here is the dope.

PRICE—Four (\$4.00) dollars.

WHAT YOU GET—

1. The Soph-Frosh which is worth the price of the card alone.
2. A Christmas party with 4T6.
3. A year party during the winter which is a real cut-up.
4. The Junior Soph-Frosh with 4T4 toward the end of the year.

WHY YOU BUY—If the subscription falls short this year we will have to adopt Jack Ward's policy: see his article.

The Soph-Frosh is being held on Friday, November 6th, at the Royal York, and Jack Evans' Sea Breeze Band will do the work.

PETE AYKROYD,
President 4T5.

ARCHITECTURAL CLUB

If any of you gents have knowledge of where a hall can be obtained to house sixty roaring barn dancers, the Architectural Club would award a fine bale of hay for such information forwarded to us within the next few days. Nostalgic longings for Gull Lake prompted the club to recall the glamour of Survey Camp dancing as the first social event of our 1942-43 college career. The date of the event, Friday, October 30,—the place—who knows.

Gull Lake Camp was a rattling success this year, rattles being contributed by a combination of Haliburton Hills, unskilled riders and heirloom bicycles. Perhaps the solution to the entertainment problem might be a marathon bike race and so train for next year. Another highlight of the trip was the stage presentation of the Gull Lake Follies,—a moving three act drama with a whoopin', hollerin', hallelujah finish. This spectacle ran for one night in the bunkhouse. The staff in architecture was thoroughly caricatured and the musical score was thoroughly murdered. Either because of, or in spite of such sculduggery a very fine set of sketches were ground out this year by the lads and lassies.

An epic film of these Camp activities complete with colour, odour and a cast of thousands was taken by Ken Cameron and will be displayed at the next club meeting, Thursday, October 22, on the lighter side of the debates program. The film, particularly the bike riding sequence, has been awarded five scars.

Serious club activities are well under way with committees to study the debates and discussion program, the functioning of our shiny new Sample Room and the embryo idea of studying our town as it progressed from Muddy York to Bloody York. Material for future showings of our architectural film society is being searched out both here and in the U.S.

Our last year Club Chairman, Fred Rounthwaite, left today for Brockville. To him, best wishes in his army career from the gang in the Little Red Schoolhouse.

J. A. MURRAY.

ELECTRICAL CLUB

In writing up this issue's column, the Chairman was a bit stymied on the approach. And why? 'Cause this is being written before our first Club Smoker, and you'll be reading it after the event. It was a temptation to write it up like the wedding news-items which appear in the local press on the Big Day, while everyone knows they were written well ahead of schedule. But you never can be sure.

Anyway, as everyone knows by now, the first Club meeting will have taken place. (Barring fire, theft or mob violence). We can be sure that under the direction of Bob Cavanagh the frosh were "received" properly. With a speaker like Frank Dowsett of Gutta Percha any meeting would be a success; and with everyone having a stake in the Club this year, a good crowd would be out. According to the words of a noted detective, "Elementary"

The questionnaire brought in some good suggestions and some unexpected talents. As many as possible of the ideas contained will be put to use. If there is anyone who has not tabled a return, get after your Year Representative for a form and hand it in. Quite a few raised the question of a stag. This is definitely coming off around the end of the year, so watch for further news items.

And since it's the open season for campaigning, vote as you like, but vote.

PETE SMITH,

Chairman Electrical Club.

ENGINEERING PHYSICS CLUB

By the time this hits the press the class of 4T6 shall have been duly received into the club at our annual Freshman Dinner. It is to be hoped that the initiation endured by the Frosh will long remain a "pleasant" memory to them.

Our next meeting, a smoker, will be held on or about October 27, at which it is expected that a number of the members will give a brief synopsis of their past summer's work with a view to showing the practical side of our course.

In the meantime all suggestions as to speakers or club meetings should be given to your year representative, who will bring them up at our executive meeting.

JIM DIACK.

MECHANICAL CLUB

Hello all you Mechanics. Your club is going to get away to a flying start on Tuesday, October 20th, at 7.30 p.m., in the Debates Room in Hart House. Professor L. J. Rogers is our first speaker and will show a movie, "Glass Making at Research Enterprises Ltd."

There will be fun, eats and entertainment for everyone. This is your club and everyone is a paid member. Your suggestions and ideas are welcome.

We are holding the election of our first year representatives at this meeting so first year turn out and put the man you want on the executive. We've got your money, put a man in to see that we spend it the way you want it spent.

JOHN M. DYKE.

INDUSTRIAL CHEMICAL CLUB

Well, frosh, it looks as if this is your big week. Friday, October 16th, is the freshmen reception at Hart House. And on Tuesday, October 20th, you will be officially received and welcomed into the Industrial Chemical Club. The members of the upper years are working hard to assure a hearty welcome to all the members of the first year. The year representatives will advise you as to the place, hour, cost, etc.

Plans for the year are progressing very well and several good meetings are being planned. Our honorary chairman, Mr. R. G. Ritchie of the Canadian Kodak Co., will be a guest at our second meeting. However, we will hear more of that later.

See you at the reception fellas.

R. F. LEWARNE,

Chairman.

MINING AND METALLURGICAL CLUB

By the time time comes before your eyes the Freshmen Reception will be a thing of the past. At present the ticket sales are very satisfactory and we hope that your evening was an enjoyable one.

As yet, everyone has co-operated to the fullest extent and we would like to thank every man for his interest. With this kind of spirit we can assure every member a good year, so let's keep up the excellent work.

F. W. KELLAM,

Chairman.

CIVIL CLUB

The first function of the Civil Club took place on October 9th in the form of an initiation stag. By all reports it proved to be a worth while event particularly to the men of the upper years.

The next and by far the most important social gathering will take place in early November, probably in Hart House. This function will include a subsidized dinner as well as the appointing of and addresses by our Honorary Officers.

To climax the evening we have hopes of obtaining a good movie on construction work which should prove of great interest to all years.

G. H. WORKMAN,

Chairman.

Pa: It's a terrible thing, I sold my car and mortgaged my house to send my son to University. All he does there is to smoke, drink and take girls out to parties.

Pal: Then you're regretting it?

Pa: Certainly. I should have gone myself.

SKILL IN WARTIME

Hence, skilled labour is now the bottleneck of industry, and therefore the skill that is available must be used to the best advantage. This is one problem that will confront some of you after graduation.

Many of the new workers have had no previous industrial experience and must be used on those processes which they can be trained quickly to perform. This calls for an analysis both of the characteristics of the job and of the worker, so that the individual aptitude of the latter may be employed to the best advantage. It must be recognized that there are different kinds of skill and that different people possess them in varying degrees. Some varieties depend on the co-ordination of the muscles to give combined speed and accuracy, and are illustrated by the peculiar aptitude that some people have for playing certain kinds of games. Others depend on the keenness of the senses—eyesight, hearing, feeling and the like, as in different kinds of inspection work. A third group depends on thinking or reasoning power and in some instances all three of them have to be combined to produce the desired result.

In arranging the work, therefore, the first objective is to organize the plan or time table, so that as few as possible of these varieties of skill must be used by any one individual. It is easier to train people to do one simple job than to perform a number of different operations, and in the early stages of the training process, emphasis should be placed on accuracy rather than speed. If this is done with properly selected workers, both accuracy and speed will ultimately be obtained. The learning process itself does not follow a smooth curve but occurs in a series of steps—just as the reduction of your golf score did, if you are a golfer! You should be prepared, therefore, for those periods when the trainees appear to be making little or no progress; this is normal and temporary.

One possible disadvantage of an engineering education lies in its ultra-scientific character. Materials, processes and machines readily lend themselves to logical and mathematical treatment, but all industrial engineers have to work with people and men and women are usually far from scientific in their outlook; their opinions and reactions are liable to be dictated rather by prejudice than by reason. Modern industry is based on team work and most employers are now looking particularly for co-operative ability when selecting engineers for their staffs. The human aspect of engineering should not be overlooked. Verb. sap.

PROF. E. A. ALLCUT.

SPORTOIKE

us, as we need a flying start in the Reed Trophy race. Gord Ball and his associates put up a gallant fight on the links but were nipped out by our arch-rival, Trinity. On the tennis courts the score appears to be 6—love, against School. This was where a freshman star from School would have been welcome.

As this goes to press the first track meet of the season is under way. We understand that School has this all "sewed up". There is a real opportunity for you frosh! Even with such established stars as Peckover, Lorimer, Both, Foulis, Onasick, Lewarne, on the field there is still plenty of room for anyone who can shake a leg, jump a fence or hop step and jump. There are rumors that there will be outside meets, this fall, perhaps with the armed services so that should be enough incentive for anyone.

Our soccer team is again fighting for the championship it won last year and should give them all a real battle. Ol' Hall Seymour, the veteran, is still around and he makes any team a threat. Hal is considered by many to be the best soccer player on the campus. Many of last year's championship squad are back and there is no doubt that we will field a strong team here.

Lacrosse is in again and the call is already out for all those interested. There is no limit to the number of players needed here, there is room for all. Freshmen, step up and enjoy Canada's fastest sport. Although last year's championship lacrosse squad, Senior School, is hard hit by graduations there remains the nucleus of another championship squad in Kellam, Lewarne and Capper, three of the finest players on the campus.

All those who enjoyed participating in last year's departmental games of baseball and basketball will be glad to know that it has been suggested that this scheme be enlarged to include volleyball, a really great team sport which is starting soon this fall. There is no better fun than playing with your classmates against another class of the same school and volleyball affords an excellent opportunity for this.

Perhaps the only subject on which your Sports Editor feels entitled to speak with authority is rugby, in his opinion, the greatest game on earth. There is no doubt that School has the material for two great rugby teams but whether they can be whipped into shape is another question. As this goes to press the season is only 2 practises away and neither team is in condition, they have had no signal or blocking practice, none knows who is who, in short they are both in a — of a mess, the seniors more so than the juniors. Still the sen-

iors are hoping and planning to dig themselves out of the hole behind the black ball where Vic deposited them so securely last year. A lot depends upon the ability of coaches Mike Rodden of the Juniors and Ab. Box of the Seniors to get the best out of their men. Come what may, they'll both be in there, fighting.

"WEED".

4T4

Fellows:

At Casa Loma with the *Modernaires*:

1. On Thursday, November 12th, (4T4 only).
2. On Thursday, December 17th, (4T3-4T4 Christmas party).

The above two dances have been arranged by your year executive. Casa Loma was selected for three reasons: (1) good *central* location, (2) new atmosphere, and (3) good music. I am sure that these arrangements will please everyone.

Year cards sale started on October 13th, by your year executive and club representatives. The price is \$4.00. The budget has been planned, as in past years, so that over 1/3 of year funds will be saved for the Grad Ball and the remainder will be spent for year dances.

IF A MEMBER OF 4T4 DOES NOT BUY A YEAR CARD FOR 1942-1943 SCHOOL YEAR, HE WILL BE AUTOMATICALLY FINED \$3.00 WHICH WILL BE ADDED TO THE PRICE OF HIS YEAR CARD FOR HIS GRAD YEAR. This means that he will have to pay next September (1944) the price of the year card plus a \$3.00 fine. Believe me, this fine will be applied without any hesitation and to the limit.

This has been decided in order to make every member pay for his share for the Grad Ball. This assures that every person who attends the Grad Ball will have paid for his share. This is a *fair method* of having the Grad Ball expenditures evenly distributed throughout the year.

Those who cannot pay \$4.00 will be able to take an I.O.U. and will have a time limit to the end of January, 1943, to pay it off.

I hope that our sale for year cards will be 100%. Previous years reveal that nearly 100% of graduating years attend the Grad Ball.

I am sure that you will co-operate with your year executive. Remember, the greater the co-operation, the better year dances can be arranged.

Your President,

JOHN WARD, 4T4.